



U.S. Department  
of Transportation  
**Pipeline and  
Hazardous Materials  
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0046/S-96, REVISION 6**

400 Seventh Street, S.W.  
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - MRC Model No. 2404 (Restricted to sources manufactured prior to March 31, 2002).
2. Source Description - Cylindrical double encapsulation made of stainless steel and tungsten inert gas seal welded. Approximate outer dimensions are 49 mm (1.93 in.) in diameter and 26 mm (1.02 in.) in length. Both the inner and outer encapsulations have windows 0.127 mm (0.005 in.) thick, with a diameter of 26 mm (1.02 in.) for the inner encapsulation and 33 mm (1.312 in.) for the outer encapsulation. Construction shall be in accordance with attached MRC Drawing No. C2404-AA01, Rev. 0.
3. Radioactive Contents - No more than 44.4 GBq (1.2 Ci) of Americium-241. The Am-241 is in the form of a powdered oxide.
4. Special Conditions -
  - a. The source capsule must have no known or suspected defects.
  - b. This special form certificate may be used only for transfer of the source for the purpose of recycling or disposal.
  - c. A leak test (standard wipe test is acceptable) must be performed on the device (source capsule in its source holder) or source capsule itself within one month before any shipment using this certificate, and show no contamination above background.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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5. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
6. Expiration Date - This certificate expires on February 28, 2012.

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the August 04, 2006 petition by Honeywell International, Duluth, GA, and in consideration of other information on file in this Office.

Certified By:



Bob Richard  
Deputy Associate Administrator for Hazardous Materials Safety

**Feb 12 2007**

(DATE)

Revision 6 - Issued to extend the expiration date.





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